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SEQUENCE LISTING

<110> Shimkets, Richard A.
Leach, Martin D.

<120> cSingle Nucleotide Polymorphisms for Known Genes

<130> 15966-534-CIP1

<140> 09/472,688

<141> 1999-12-27

<150> 60/109,024

<151> 1998-11-17

<150> 09/443,199

<151> 1999-11-16

<150> 09/442,129

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 <400> 191
 ggcagctgaa gatcaccaat gctggcatgg tgtctgatga ggagttggag c 51

 <210> 192
 <211> 51
 <212> DNA
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 <220>
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 <221> misc_feature
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 <400> 192
 gcgaggtggt tgtgtccaat atccttaagg acacgcaggt gactcgacag g 51

<210> 193
 <211> 51
 <212> DNA
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 <220>
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 <223> Accession number cg43985220

 <400> 193
 tgtacactgc cagaaaagga aaaggggcct tttgtaatgg tcaaaaacta c 51

 <210> 194
 <211> 51
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 <400> 194
 tcttggtgac tgagttgggc tcttctagaa caccagagac tgtgagaatg g 51

 <210> 195
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 <400> 195
 tagagcgcac acaggcctcc agctggggcca tgtccgtctc atcatcccaa g 51

 <210> 196
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 <400> 196
 ctgacagcta caggctcttt cagtttcatt ttcactgggg cagtacaaat g 51

 <210> 197
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 <400> 197
 agaagttgaa ggggctggtg ccactgggac ccgaatcaag tcgacacact a 51

 <210> 198
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 <400> 198
 tgggttcagg gatgtagccc ttctccacag ccaggcggct cagggcaaac a 51

 <210> 199
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 <400> 199
 gccaatatag gatagggcac tacaggttcc ggtacagtga caccctggag c 51

 <210> 200
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 <223> Accession number cg43280516
 <400> 200
 acggggagga gctgcagatg gaacctgtgt gaggtgtctt ctgggacctg c 51
 <210> 201
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 <223> Accession number cg43963913
 <400> 201
 agagggtggg gggcgccgag cgcgaaacggc cccgaaaggg gctgggctcc t 51
 <210> 202
 <211> 51
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 <223> Accession number cg40262905
 <400> 202
 tagtgaaagg cctgaaatat atgctcgagg tggaaattgg cagaactacc t 51
 <210> 203
 <211> 51
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 <222> (0)...(0)
 <223> Accession number cg43918168

<400> 203
 ctccatcaac agcatccgga ctgcacggcg gctcgccgtg cggctggggc c 51

<210> 204
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 <223> Accession number cg43259701

<400> 204
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<210> 205
 <211> 51
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<400> 205
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<210> 206
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<221> misc_feature
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 <223> Accession number cg40968986

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 agaagagagc ctgtgacact gccacttggtg tgactcatcg gctggcaggc t 51

<210> 207
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 <221> misc_feature
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 <223> Accession number cg42550133

 <400> 207
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 <210> 208
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 <221> misc_feature
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 <223> Accession number cg2526759

 <400> 208
 ctctgggtgt ccacgaggga gacaccgtaa ctctcaattg cagttatgaa g 51

 <210> 209
 <211> 51
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 <223> single nucleotide polymorphism

 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg41664708

 <400> 209
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 <210> 210
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 <223> single nucleotide polymorphism

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 <223> Nucleotide deleted between bases 25 and 26

 <221> misc_feature
 <222> (0)...(0)

<223> Accession number cg43300673

 <400> 210
 agggagggcgg ggagggtagc atgggcacac ggccctcaca gggactcact 50

 <210> 211
 <211> 51
 <212> DNA
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 <220>
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 <223> single nucleotide polymorphism

 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43284434

 <400> 211
 agttgaaatc agagaggaat aaaaaagaca ttttatatTTt tattctgctc c 51

 <210> 212
 <211> 51
 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43132502

 <400> 212
 taagcatgag gtggcacgag gcaggcgTtg gcgatgccac ctgggggtca c 51

 <210> 213
 <211> 51
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 <223> single nucleotide polymorphism

 <221> misc_feature
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 <400> 213
 ggtcccttg ctttatccca agctctgagg gacgcagcct ggcattggctc t 51

 <210> 214
 <211> 51
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 <400> 214
 gtccccttgc tttatcccaa gtcgtaggg acgcagcctg gcatggctct g 51

 <210> 215
 <211> 51
 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43931765

 <400> 215
 ctttatccca agctcggagg gacgcgagcc tggcatggct ctggcctagc a 51

 <210> 216
 <211> 51
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 <223> single nucleotide polymorphism

 <221> misc_feature
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 <400> 216
 tagcagccag gtgacatggc caggctacct tcctgtacag gcaactgtggg c 51

 <210> 217
 <211> 51
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 <221> misc_feature
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 <400> 217

gccaggtgac atggccaggc acctttcctg tacaggcact gtgggctcct g 51

<210> 218
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<400> 218
 aggtgacatg gccaggcacc ttccttgtag aggcactgtg ggctcctggc c 51

<210> 219
 <211> 51
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<400> 219
 aggtgacatg gccaggcacc ttccttgtag aggcactgtg ggctcctggc c 51

<210> 220
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<400> 220
 aggtgacatg gccaggcacc ttccttgtag aggcactgtg ggctcctggc c 51

<210> 221
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<223> single nucleotide polymorphism
 <221> misc_feature
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 <223> Accession number cg43952088
 <400> 221
 aatccacaat cggcatcagg aagcccaagt cccagtggcc attaggggcc t 51
 <210> 222
 <211> 51
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 <223> Accession number cg44010957
 <400> 222
 tccctatgag cctgcaaagg agacattcag gaatgagttc catgttcgag a 51
 <210> 223
 <211> 51
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 <222> (26)...(0)
 <223> single nucleotide polymorphism
 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43956560
 <400> 223
 cagtgcattt gggaagattt ctacccgacc aacagttcct tcagcttcca t 51
 <210> 224
 <211> 51
 <212> DNA
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 <220>
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 <222> (26)...(0)
 <223> single nucleotide polymorphism
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 <222> (0)...(0)
 <223> Accession number cg43956560
 <400> 224
 caacagttcc ttcagcttcc atttcacccc tcatttatcc ctcaaccccc a 51
 <210> 225

<211> 51
 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43956560

 <400> 225
 tgctctcctt tcccctgccc ccagaacttt tatccactta cctagattct a 51

 <210> 226
 <211> 51
 <212> DNA
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 <222> (26)...(0)
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 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43264626

 <400> 226
 tggccacagt gaaaaaggctc atgggaggag agaagcaaag taggaaggat c 51

 <210> 227
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 <221> misc_feature
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 <223> Accession number cg43011543

 <400> 227
 accgcaccct ttccaccggt ggggggccca gtgaagttta acaaactgct g 51

 <210> 228
 <211> 51
 <212> DNA
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 <220>
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 <221> misc_feature

<222> (0)...(0)
 <223> Accession number cg43011543

<400> 228
 cataccacgt tcaactgcaag ggggggaacg tgtgggttgc tctattcaag a 51

<210> 229
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<221> misc_feature
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 <223> Accession number cg43933757

<400> 229
 gaaaccacgt aggctcctgg aggccttggc cagcttgctt ggaatccagc a 51

<210> 230
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 <223> Accession number cg41553795

<400> 230
 tgggtggtgct acccttggcc tcccagagtc ctgccaccct gctgcccga c 51

<210> 231
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 <223> Accession number cg42542496

<400> 231
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<210> 232
 <211> 51
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 <400> 232
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 <210> 233
 <211> 51
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 <210> 234
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 <212> DNA
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 <223> Accession number cg2753430

 <400> 234
 acgactttga gcctcgcgat cttttgagtc caacgtccag ctcgttctct g 51

 <210> 235
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 <223> Accession number cg44036323

<400> 235
 tgcggcttaa aagggcaacc cgcgccggac ccttcctccc tagtcgcggg g 51

<210> 236
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 <212> DNA
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 <223> Accession number cg43918671

<400> 236
 gagagaccat ttacttacat cagtttggtt tatagacatt tgaatcatat c 51

<210> 237
 <211> 51
 <212> DNA
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 <223> Accession number cg43057018

<400> 237
 agtttcatta tacttttctc tccacgtttt gtctatgttg aaaattttct g 51

<210> 238
 <211> 51
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 <223> Accession number cg44005808

<400> 238
 acaagacaga agctgaagtg catcccaaag gtgctcagag agccggcccg c 51

<210> 239
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 <400> 239
 tcttccttct ccagccggca ggcccgcgcc gcttaggagg gagagcccac c 51

 <210> 240
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 <400> 240
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 <210> 241
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 <400> 241
 gaggccaggg tcacccacat accattgcac cacgggtgct atgccgcttc t 51

 <210> 242
 <211> 51
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 <400> 242
 taccatgcac cacgggtgct atgccacttc ttacaggacc ttttagccc t 51

<210> 243
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 <400> 243
 cctggaggca actgggtagg gtgcacaacg gcatgctttg gctggaacac g 51

 <210> 244
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 <223> Accession number cg43956159

 <400> 244
 cagaacggca tgctttggct ggaaccacgc atccctcctt ccacggccgg c 51

 <210> 245
 <211> 51
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 <221> misc_feature
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 <223> Accession number cg43971258

 <400> 245
 cagagctagc tctggctctt caggctacaa gttcacagtc cttegtcct g 51

 <210> 246
 <211> 51
 <212> DNA
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<221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43971258

<400> 246
 gtccttcgct cctgagcacc aggttcagtc tccaggaagg gatttggtga a 51

<210> 247
 <211> 51
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 <223> single nucleotide polymorphism

<221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43982507

<400> 247
 gatacctttg cgtggatcaa gcttgctgta cttgaccgtt tttatattac t 51

<210> 248
 <211> 51
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 <223> Accession number cg43982507

<400> 248
 caaaaaaatt tataaactaa ttttggtacg tatgaatgat atctttgacc t 51

<210> 249
 <211> 51
 <212> DNA
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<221> misc_feature
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<400> 249
 cctccttctc cccctttccc ctccccgccc ccaccttctt cctcctttcg g 51

<210> 250
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<213> Homo sapiens
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 <223> Accession number cg41554010
 <400> 250
 ctgccctgcc acctgtctgt ctgtctccaa agaagttctg gtatgaactt g 51
 <210> 251
 <211> 51
 <212> DNA
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 <223> Accession number cg41554010
 <400> 251
 ctgccctgcc acctgtctgt ctgtctccaa agaagttctg gtatgaactt g 51
 <210> 252
 <211> 51
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 <400> 252
 tccctccagg actaggctgg aggaaccag tgggggtcccc cctgagtggg c 51
 <210> 253
 <211> 51
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 <223> single nucleotide polymorphism
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 <222> (0)...(0)
 <223> Accession number cg43984905

<400> 253
 cacatgtggg gacagggctg gtgtgacctgc tcccagcctc ttgctcagag c 51

 <210> 254
 <211> 51
 <212> DNA
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 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43992911

 <400> 254
 ctaaaagtcgg agtatcttct tccaaaattt cacgtcttgg cggccgttcc a 51

 <210> 255
 <211> 51
 <212> DNA
 <213> Homo sapiens

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 <223> single nucleotide polymorphism

 <221> misc_feature
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 <223> Accession number cg43932434

 <400> 255
 tttctagagg gggctctgttg aagatatgta actagtagac cccaaccccc a 51

 <210> 256
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (26)...(0)
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 <221> misc_feature
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 <223> Accession number cg43932434

 <400> 256
 cccaaccccc caacctcagt ggaaagcaat gccagggat taggctatgg a 51

 <210> 257
 <211> 51
 <212> DNA
 <213> Homo sapiens

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<221> allele
 <222> (26)...(0)
 <223> single nucleotide polymorphism

 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43318219

 <400> 257
 gcgcaggtca gagggcggcc gcagcggggcc tccgcgaggt cccacgccg g 51

 <210> 258
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (26)...(0)
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 <221> misc_feature
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 <223> Nucleotide deleted between bases 25 and 26

 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43967861

 <400> 258
 ctctatactg tacactcacc cataatcaaa caattacacc atggtataaa 50

 <210> 259
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> Accession number cg43967861

 <400> 259
 tctatactgt acactcaccc ataatcaaac aattacacca tgggtataaaag 50

 <210> 260
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<223> single nucleotide polymorphism
 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43965366
 <400> 260
 gccgaatagc ctgggtttgg aaaagtatgt ttttgaaata tgtgggatct c 51
 <210> 261
 <211> 51
 <212> DNA
 <213> Homo sapiens
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 <222> (26)...(0)
 <223> single nucleotide polymorphism
 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43965366
 <400> 261
 tactgaccta aatcacaccc tagacttatc agaggggaaat tctgaccata a 51
 <210> 262
 <211> 51
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 <223> single nucleotide polymorphism
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 <223> Accession number cg43322513
 <400> 262
 tgtccttgaa gaacatgcac ttggcgcgga tggcacaagc aaaatggtag a 51
 <210> 263
 <211> 51
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 <222> (26)...(0)
 <223> single nucleotide polymorphism
 <221> misc_feature
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 <223> Accession number cg41637704
 <400> 263
 cccgcgcccc agtaggagcc ccgcggccca gcaggtgcgg cgcgcacgga g 51
 <210> 264

<211> 51
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 <221> misc_feature
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 <223> Accession number cg41637704

 <400> 264
 ccagcaggtg cggcgcgcac ggagcgcgcc ggccggcggc ttctcccgga g 51

 <210> 265
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 <400> 265
 tgaaaacttga aaccgcctct ggagctgcc a ttctgcagag tatttgaaa a 51

 <210> 266
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 <223> Accession number cg43980506

 <400> 266
 tccaagaaag ggtcatggaa gcttactggg aataatcctc tcaattagaa a 51

 <210> 267
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 <222> (26)...(0)
 <223> single nucleotide polymorphism

 <221> misc_feature

<222> (0)...(0)
 <223> Accession number cg43961305

 <400> 267
 ggggggtttt tttttttttt ctctgttttt tttttttttt tttttttttt t 51

 <210> 268
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 <221> misc_feature
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 <223> Accession number cg43998672

 <400> 268
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 <210> 269
 <211> 50
 <212> DNA
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 <400> 269
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 <210> 270
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 <220>
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 <221> misc_feature
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 <223> Accession number cg42908571

<400> 270
 gagttaattt atgtaagtca tattttatat ttttaagaag taccacttga a 51

<210> 271
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<221> misc_feature
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 <223> Accession number cg42908571

<400> 271
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<210> 272
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 <223> Accession number cg42164914

<400> 272
 cagcccccat tgtggtcaca ggaagcagag gaggccacgt tcttactagt t 51

<210> 273
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 <212> DNA
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<220>
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 <222> (0)...(0)
 <223> Accession number cg43958501

<400> 273
 cccaacctgg gtttggcaga catcagaatg atggagtaca ttttgcagat a 51

<210> 274
 <211> 51
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<220>

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 <221> misc_feature
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 <223> Accession number cg43958501

 <400> 274
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 <210> 275
 <211> 51
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 <222> (26)...(0)
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 <221> misc_feature
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 <223> Accession number cg43090990

 <400> 275
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 <210> 276
 <211> 51
 <212> DNA
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 <223> Accession number cg42879455

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 <210> 277
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 <400> 277
 aaaaaggccc ctctctacat ctggggatgc acctcttctt tgattccctg g 51

<210> 278
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 <221> misc_feature
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 <223> Accession number cg43971741

 <400> 278
 agcaacttgg ctgagcccca ctacatacag agaaatcatc aacctgactt a 51

 <210> 279
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 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43971741

 <400> 279
 taagagtttt caagatgtca aacttaaggc tgatcagcag atgggatgtg a 51

 <210> 280
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 <400> 280
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 <210> 281
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 <221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43947749

 <400> 281
 aacgtcgatt cgcaccgtcc aacctgcccc gccctccta cagctgtaac 50

 <210> 282
 <211> 50
 <212> DNA
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 <221> misc_feature
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 <221> misc_feature
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 <400> 282
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 <210> 283
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 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg44131752

 <400> 283
 cacttaatac cagagacccc ccccccttcc cctcccctt cccctcccc t 51

 <210> 284
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 <221> misc_feature

<222> (0)...(0)
 <223> Accession number cg43917718

 <400> 284
 agacgtgtct gccacaggtc tcagggtaac agatgccctg tccactgaga g 51

 <210> 285
 <211> 51
 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43928048

 <400> 285
 tttgatggaa aggttgtcca cactgagaat tatcacacac ttgatcagga a 51

 <210> 286
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 <221> misc_feature
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 <223> Accession number cg42714751

 <400> 286
 ccctccggat tcggcgcgcg tgcggmccgc cgcgagtgag ggttttcgtg g 51

 <210> 287
 <211> 51
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 <221> misc_feature
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 <223> Accession number cg43322545

 <400> 287
 tccaagctaa gcactgccac tgggggaaac tccaccttcc cactttccca c 51

 <210> 288
 <211> 51
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 <223> Accession number cg43322545

 <400> 288
 ccacctccat cccagacagg tccctgccct tctctgtgca gtagcatcac c 51

 <210> 289
 <211> 51
 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43322545

 <400> 289
 cacctccatc ccagacaggc ccctcgccct ctctgtgcag tagcatcacc t 51

 <210> 290
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> Accession number cg43980494

 <400> 290
 gtctgataga agaggagcag gagaagcaaa tcgttaaaac ctagcgaatt c 51

 <210> 291
 <211> 51
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 <221> misc_feature
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 <223> Accession number cg43925424

<400> 291
 tcaggagcaa ggcgaaatgta tgacaccatg tccacaatgg tgtacataaa g 51

 <210> 292
 <211> 51
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 <221> misc_feature
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 <223> Accession number cg42479188

 <400> 292
 ttctgaagag gctgacgatt ttactgtctc atttttttcc tttctccaga a 51

 <210> 293
 <211> 51
 <212> DNA
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 <210> 294
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 <223> Accession number cg38337333

 <400> 294
 tgtctcaaac ccagcttgcc agctccaatg taccagcagc tggaatctga a 51

 <210> 295
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<222> (26)...(0)
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 <221> misc_feature
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 <223> Accession number cg27803682

 <400> 295
 gtggctgggc tattccatcc atctggaagc acatttgagc ctccaggctt c 51

 <210> 296
 <211> 51
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 <223> Accession number cg21413267

 <400> 296
 cgagcggcac ccagagcctg caccgcgcct caccgtcctt ctgcgtcccc c 51

 <210> 297
 <211> 51
 <212> DNA
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 <223> Accession number cg21413267

 <400> 297
 aggagccctc ttcggtgtcc ccgagcgcca cggcgaagac ccgcagcacc a 51

 <210> 298
 <211> 51
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 <223> Accession number cg21413267

 <400> 298
 cggcgaagac ccgcagcacc aaagcgccgc cccgcacct gccctgtcg c 51

<210> 299
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 <400> 299
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 <210> 300
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 <400> 300
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 <210> 301
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 <400> 301
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 <210> 302
 <211> 51
 <212> DNA
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<400> 302
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<210> 303
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 <223> Accession number cg43280482

<400> 303
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<210> 304
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<400> 304
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<210> 305
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<221> misc_feature
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<221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg41626506

<400> 305
 cagcacagcg agcgctctca ttctgccttt tttcctcttc tcagccaact 50

<210> 306
 <211> 51
 <212> DNA
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 <221> misc_feature
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 <223> Accession number cg43918944

 <400> 306
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 <210> 307
 <211> 51
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 <221> misc_feature
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 <223> Accession number cg43988365

 <400> 307
 gacagacgag acagtgaggt atgtggggct gctccggaat ggtccggagg c 51

 <210> 308
 <211> 51
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 <221> misc_feature
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 <223> Accession number cg43969460

 <400> 308
 taactatgca agacaagact tggtcgtcac gttcgcgtct ctagttgatt t 51

 <210> 309
 <211> 51
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<221> misc_feature
 <222> (0)...(0)
 <223> Accession number cg43933809

 <400> 309
 aattaaaact ctaggtgtat acttacatgg aactagttta tttcctattt a 51

 <210> 310
 <211> 51
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 <221> misc_feature
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 <400> 310
 tgctcgcgcc gtgccactaa ggtcattccc gcctccgaga gccagagcc g 51

 <210> 311
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 <223> Accession number cg42937321

 <400> 311
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 <210> 312
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 <221> misc_feature
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 <223> Accession number cg42937321

 <400> 312
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 <210> 313
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<212> DNA
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 <223> Accession number cg40991963

 <400> 313
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 <210> 314
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 <223> Accession number cg43951366

 <400> 314
 aaagatgttt gaatacttaa acactatcac aagatggcaa aatgctgaaa g 51

 <210> 315
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 <210> 316
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 <221> misc_feature
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<223> Accession number cg43306254

<400> 316
cacttaactt gcatgtgcac agcttctggg aacaaatatt gctaaacctt a 51

<210> 317
<211> 51
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<221> misc_feature
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<223> Accession number cg43306254

<400> 317
atgtgattaa ttatgtgatg aaaacttttt ttataaatga tcttgggtcta t 51

<210> 318
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<400> 319
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<210> 320
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<210> 331
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 <210> 337
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 <400> 340
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<400> 341
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<210> 343
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 <210> 359
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<400> 376
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50

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 <210> 414
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 <400> 652

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1 5 10

<210> 653
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<220>
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<222> (7)...(0)
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1 5 10

<210> 654
<211> 14
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<220>
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<400> 654
Gly Ala Pro Leu Tyr Met Asp Ser Arg Ala Asp Arg Lys Leu
1 5 10

<210> 655
<211> 14
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<400> 655
Gln Ala Gly Thr Thr Leu Asp Leu Asp Leu Gly Gly Lys His
1 5 10

<210> 656
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<400> 656
Lys Cys Glu Cys Ser Arg Ala Tyr Gln Met Asp Leu Ala Thr
1 5 10

<210> 657
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 <220>
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 <400> 657
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 <400> 658
 Val Pro Leu Glu Thr Pro Arg Val His Ser Arg Ala Pro Ser
 1 5 10

 <210> 659
 <211> 14
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 <400> 659
 Pro Phe Gly Val Ile Val Arg Arg Gln Leu Asp Gly Arg Val
 1 5 10

 <210> 660
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<222> (7)...(0)
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 <210> 662
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 <400> 662
 Gly Ala Met Leu Leu Asn Ile Ser Gly His Val Lys Glu Ser
 1 5 10

 <210> 663
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 Gln Gly Gly Lys Leu Ser Val Val Leu Arg Ala Glu Asp Ile
 1 5 10

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 1 5 10

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<213> Homo sapiens
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 <400> 670
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 1 5 10
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 1 5 10
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 <400> 672
 Gly Ile Gln Asn Lys Glu Val Glu Val Arg Ile Phe His Cys
 1 5 10
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 <400> 673
 Val Asp Asn Ile Arg Ser Val Phe Gly Asn Ala Val Ser Arg
 1 5 10
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<222> (7)...(0)
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 <400> 674
 Leu Thr Ile Gln Leu Ile Glu Asn His Phe Val Asp Glu Tyr
 1 5 10

 <210> 675
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 <400> 675
 Tyr Gly Ile Pro Phe Ile Gln Thr Ser Ala Lys Thr Arg Gln
 1 5 10

 <210> 676
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 <400> 676
 Ser Ala Ser Lys Gln Ala Val Arg Pro Val Leu Ala Thr Thr
 1 5 10

 <210> 677
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 Tyr Cys Met Val Phe Leu Ala Leu Tyr Val Gln Ala Arg Leu
 1 5 10

 <210> 678
 <211> 14
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 <400> 678
 Val Gly Thr Tyr Arg Cys Val Pro Gly Lys Lys Gly Gly Tyr

1 5 10
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 <211> 14
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 <400> 679
 Gly Arg Ala Thr Ser Gly Ser Glu His Gln Phe Cys Gly Gly
 1 5 10

 <210> 680
 <211> 14
 <212> PRT
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 <400> 680
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 1 5 10

 <210> 681
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 <400> 681
 Pro Glu Leu Val Leu Glu Leu Pro Ile Arg His Pro Lys Phe
 1 5 10

 <210> 682
 <211> 14
 <212> PRT
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 1 5 10

 <210> 683
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 1 5 10
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 Ser Gly Tyr Pro Lys Met Ser Ala His Thr His Ser Ser Phe
 1 5 10
 <210> 685
 <211> 14
 <212> PRT
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 <400> 685
 Val Val Lys Ala Phe Val Ile Leu Ala Ser Gln Phe Leu Ser
 1 5 10
 <210> 686
 <211> 14
 <212> PRT
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 Asp Pro Leu Ile Tyr Ala Phe Arg Ser Gln Glu Met Arg Lys
 1 5 10
 <210> 687
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<223> cSNP translation

<400> 687

Leu Ala Thr Leu Pro Glu Tyr Val Val Tyr Lys Pro Gln Met
1 5 10

<210> 688

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

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<400> 688

Leu Ala Pro Gln Gln Arg Val Ala Pro Gln Gln Lys Arg Ser
1 5 10

<210> 689

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 689

Leu Tyr Arg Asp Ile Phe Glu His Leu Arg Asp Glu Ser Gly
1 5 10

<210> 690

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 690

Asp Phe Tyr Tyr Leu Gly Ala Phe Phe Gly Gly Ser Val Gln
1 5 10

<210> 691

<211> 14

<212> PRT

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<220>

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<222> (7)...(0)

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<400> 691

Leu Thr Met Val Thr Leu Val Thr Leu Pro Leu Leu Phe Leu
1 5 10

<210> 692
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 <212> PRT
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 1 5 10

 <210> 693
 <211> 14
 <212> PRT
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 <400> 693
 Glu Glu Ala Met Asn Ala Val Tyr Ser Gly Tyr Val Tyr Thr
 1 5 10

 <210> 694
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 1 5 10

 <210> 695
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 <400> 695
 Glu Ser Thr Thr Val Gly Ser Ser
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 <210> 696
 <211> 14
 <212> PRT
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<220>
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 1 5 10

<210> 697
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 <212> PRT
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<400> 697
 Asp Asn Phe Ser Val Thr Glu Val Pro Phe Thr Glu Ser Ala
 1 5 10

<210> 698
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 <212> PRT
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<220>
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<400> 698
 Pro Gly Arg Arg Gln Arg Leu Thr Met Ala Ile Arg Thr Val
 1 5 10

<210> 699
 <211> 14
 <212> PRT
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<220>
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 <222> (7)...(0)
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<400> 699
 Leu Ala Gly Lys Val Ala Gln Val Lys Lys Asn Gly Arg Ile
 1 5 10

<210> 700
 <211> 14
 <212> PRT
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<220>
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<400> 700
Leu Glu Asn Gln Lys Lys Val Arg Lys Lys Lys Val Leu Ile
1 5 10

<210> 701
<211> 14
<212> PRT
<213> Homo sapiens

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<223> cSNP translation

<400> 701
Val Ser Asp Glu Glu Leu Asp Gln Met Leu Asp Ser Gly Gln
1 5 10

<210> 702
<211> 14
<212> PRT
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<220>
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<222> (7)...(0)
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<400> 702
Trp Leu Gly Phe Asn Lys Gln Arg Gly His Leu Gln Ile Ala
1 5 10

<210> 703
<211> 14
<212> PRT
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<220>
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<400> 703
Glu Pro Glu Cys Arg Glu Val Phe His Arg Arg Ala Arg Ala
1 5 10

<210> 704
<211> 14
<212> PRT
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<220>
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<222> (7)...(0)
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<400> 704
Leu Pro Cys Gly Pro Gly Val Lys Gly Arg Cys Phe Gly Pro
1 5 10

<210> 705
 <211> 14
 <212> PRT
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 <220>
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 <400> 705
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 1 5 10

 <210> 706
 <211> 14
 <212> PRT
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 <220>
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 <222> (7)...(0)
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 <400> 706
 Asn Thr Arg Leu Leu Cys His Val Met Leu Cys Leu Leu Gly
 1 5 10

 <210> 707
 <211> 14
 <212> PRT
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 <220>
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 <222> (7)...(0)
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 <400> 707
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 1 5 10

 <210> 708
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <220>
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 <222> (7)...(0)
 <223> cSNP translation

 <400> 708
 Val Tyr Leu Cys Ala Val Asp Ala Tyr Ser Asn Asp Tyr Lys
 1 5 10

 <210> 709
 <211> 14
 <212> PRT
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<220>
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 <223> cSNP translation

 <400> 709
 Gln Lys Gln Met Glu Leu Asp Ser Ile Leu Val Ala Leu Leu
 1 5 10

 <210> 710
 <211> 14
 <212> PRT
 <213> Homo sapiens

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 <400> 710
 Gly Ser Thr Val Ile Ala Gly Ser Ile Asn Ala His Gly Ser
 1 5 10

 <210> 711
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 <400> 711
 Pro Val Met Gly Leu Met Ile Tyr Met Met Val Met Asp His
 1 5 10

 <210> 712
 <211> 14
 <212> PRT
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 <220>
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 <400> 712
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 1 5 10

 <210> 713
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <220>
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 <222> (7)...(0)
 <223> cSNP translation

<400> 713
 Val Leu Leu Leu Gly Ala Cys Ala Ala Pro Pro Ala Trp
 1 5 10

<210> 714
 <211> 14
 <212> PRT
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<220>
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 <222> (7)...(0)
 <223> cSNP translation

<400> 714
 Ser Leu Pro Tyr Ala Val Ala Pro Leu Ser Leu Pro Arg Gly
 1 5 10

<210> 715
 <211> 14
 <212> PRT
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<220>
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 <222> (7)...(0)
 <223> cSNP translation

<400> 715
 Tyr Gly Pro Gln Cys Gln Leu Val Ile Gln Cys Glu Pro Leu
 1 5 10

<210> 716
 <211> 14
 <212> PRT
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<220>
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<400> 716
 Thr Met Asp Cys Thr His Ser Leu Gly Asn Phe Ser Phe Ser
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<210> 717
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Cys Asn Gly Val Ala Val Cys Ser Asn Gln Asp Leu Ile Thr
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Leu Val Ser Tyr Cys Pro Arg Arg Leu Gln Gln Leu Leu Pro
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Tyr Ala Glu Arg Tyr Gln Met Pro Thr Gly Ile Lys Gly Pro
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 Val Thr Asn Arg Pro Cys Gly Ser Gln Val Arg Cys Glu Gly
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Ser Pro Arg Ile Ser Ser Pro Arg Pro Gln Gly Leu Ser Asn
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Pro Met Thr Gln Thr Thr Ser Leu Lys Thr Ser Trp Val Asn
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Ile Asn Ala Tyr Ile Ser His Leu Gly Phe Arg Phe
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Leu His Ser Gly His Arg Gln Arg Pro Glu Phe Arg Pro Tyr
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 Gly Leu Asp Gln Lys Arg Ile Lys Tyr Val Val Gly Glu Leu

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1 5 10

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1 5 10

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 1 5 10

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 Ala Gln Ile Phe Asp Tyr Ser Glu Ile Pro Asn Phe Pro Arg
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<400> 787
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<210> 788
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<400> 788
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<210> 792

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 1 5 10

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 1 5 10

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 Thr Gly Lys Ile Gln Arg Thr Lys Leu Arg Asp Lys Glu Trp
 1 5 10

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 <400> 796
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 1 5 10

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 <400> 797
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 <400> 798
 Leu Arg Ile Gln Cys Leu Cys Arg Lys Gln Ser Ser Lys His
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 <400> 799
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 <210> 800
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 <400> 800

Trp Met Ile Phe Val Val Ile Ala Ser Val Phe Thr Asn Gly
1 5 10

<210> 801
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1 5 10

<210> 802
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1 5 10

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 Ser Glu Ala Ser Ser Ala Phe Phe Met Ala Lys Lys Lys Thr
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 Phe Gly Thr Leu His Pro Ser Phe Tyr Gly Ser Ser Arg Glu
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 <400> 813
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 Met Asp Glu Ala Ala Arg Pro Glu Ala Trp Asp Ser Tyr Arg
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Gln Lys His Ser Ser Gly Xaa Ser Asn Thr Ser Thr Ala Asn
1 5 10

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Arg Tyr Leu Asp Trp Ile Leu Trp Ala His Gln Arg
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Ile His Phe Glu Asp Tyr Gly Val Leu Gly His His Gln Leu
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<210> 876
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 <400> 876
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<210> 878
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 <400> 878
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<210> 879
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<400> 879

Lys Cys Lys Cys Ser Arg Lys Asp Pro Arg Ser Ala Thr Ala
1 5 10

<210> 880

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<400> 880

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